(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 17 June 2004 (17.06.2004)

PCT

(10) International Publication Number WO 2004/049799 A3

(51) International Patent Classification7: 43/58

A01N 37/34,

(21) International Application Number:

PCT/US2003/038118

- (22) International Filing Date: 2 December 2003 (02.12.2003)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/430,094 2 December 2002 (02.12.2002) US

- (71) Applicant (for all designated States except US): BY-OCOAT LLC [-/US]; 320 Northpointe Parkway, Suite D., Acworth, GA 30102 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BUSCH, Fred [—/US]; 35 Mohawk Avenue, Clementon, NJ 08021 (US). BURWELL, Steve, R. [-/US]; 1777 Brookstone Place, Acworth, GA 30101 (US). GOULDTHORPE, Peter [-/US]; 5663 Forkwood Trace, Acworth, GA 30101 (US).
- (74) Agent: COMTOIS, Mark, C.; Duane Morris LLP, Suite 700, 1667 K Street, N.W., Washington, DC 20006 (US).

- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 4 November 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMPOSITION AD METHOD FOR TREATING PLANT FUNGAL DISEASE

(57) Abstract: The invention is directed to fungicide compositions adapted for preventing or inhibiting the witches' broom disorder. In one embodiment, the composition contains chlorothalonil, trichloromelamine, urea and water. The composition can be sprayed to the afflicted portions of the plant (i.e., the brooms) to eradicate or inhibit the growth of the disease.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/38118

A. CLASSIFICATION OF SUBJECT MATTER					
IPC(7) : A01N 37/34, 43/58					
US CL: 504/101,137,141,236,310; 514/241, 520 According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols)					
U.S.: 504/101,137,141,236,310; 514/241, 520					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Merck Index					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where appropriate, of the relevant passages			Relevant to claim No.	
Α	US 5,346,704 A (LAJOIE) 13 September 1994. See columns 3-5.			1-45	
A	US 6,149,927 A (GHOSH) 21 November 2000. See columns 2-4.			1-45	
A	US 5,622,658 A (LLOYD et al) 22 April 1997. See columns 2-4.			1-45	
A	BECKER, HANK. "Fighting a Fungal Siege on Cacao Farms", Agricultural Research, November 1999, p. 4-8.			1-45	
Further	documents are listed in the continuation of Box C.		See patent family annex.		
* S	pecial categories of cited documents:	•T»	later document published after the inte		
	defining the general state of the art which is not considered to be that relevance		date and not in conflict with the applic principle or theory underlying the inve	ention .	
"B" earlier application or patent published on or after the international filing date		"X"	document of particular relevance; the considered novel or cannot be conside when the document is taken alone		
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination			
"O" document	referring to an oral disclosure, use, exhibition or other means		being obvious to a person skilled in th		
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family			
Date of the actual completion of the international search			Date of mailing of the international search report		
08 June 2004 (08.06.2004)			23 SEP 2004		
Name and mailing address of the ISA/US			Authorized officer		
Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450			S. Mark Clark Gold Hamph Telephone No. 571-272-1600		
Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230			e No. 571-272-1600	Ų	

Form PCT/ISA/210 (second sheet) (July 1998)

INTERNATIONAL SEARCH REPORT	PCT/US03/38118				
Continuation of B. FIELDS SEARCHED Item 3: WEST (USPAT, PGPUBS, DWPI, EPO, JPO): chlorothalonil, diquat, trichloromelamine, cetylpyridinium, chloramine, chlorendic anhydride, witch- broom, crinipellis, urea					
	-				